

Data File : VU030455.D
Acq On : 26 Mar 2019 19:53
Operator : JC/SP
Sample : K2022-17 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09F2

Quant Time: Mar 27 06:04:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	446146	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	421618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171310	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.42%
7) Chloroethane-d5	1.67	69	143122	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.58%
11) 1,1-Dichloroethene-d2	2.27	63	247419	36.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.66%
21) 2-Butanone-d5	4.17	46	365377	108.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.25%
24) Chloroform-d	4.64	84	309555	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	5.31	65	209960	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
32) Benzene-d6	5.34	84	611114	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.33	67	221897	53.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.28%
41) Toluene-d8	7.56	98	528887	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.85	79	95963	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.66%
47) 2-Hexanone-d5	8.31	63	235224	104.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303266	51.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	182898	52.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.50%

Target Compounds

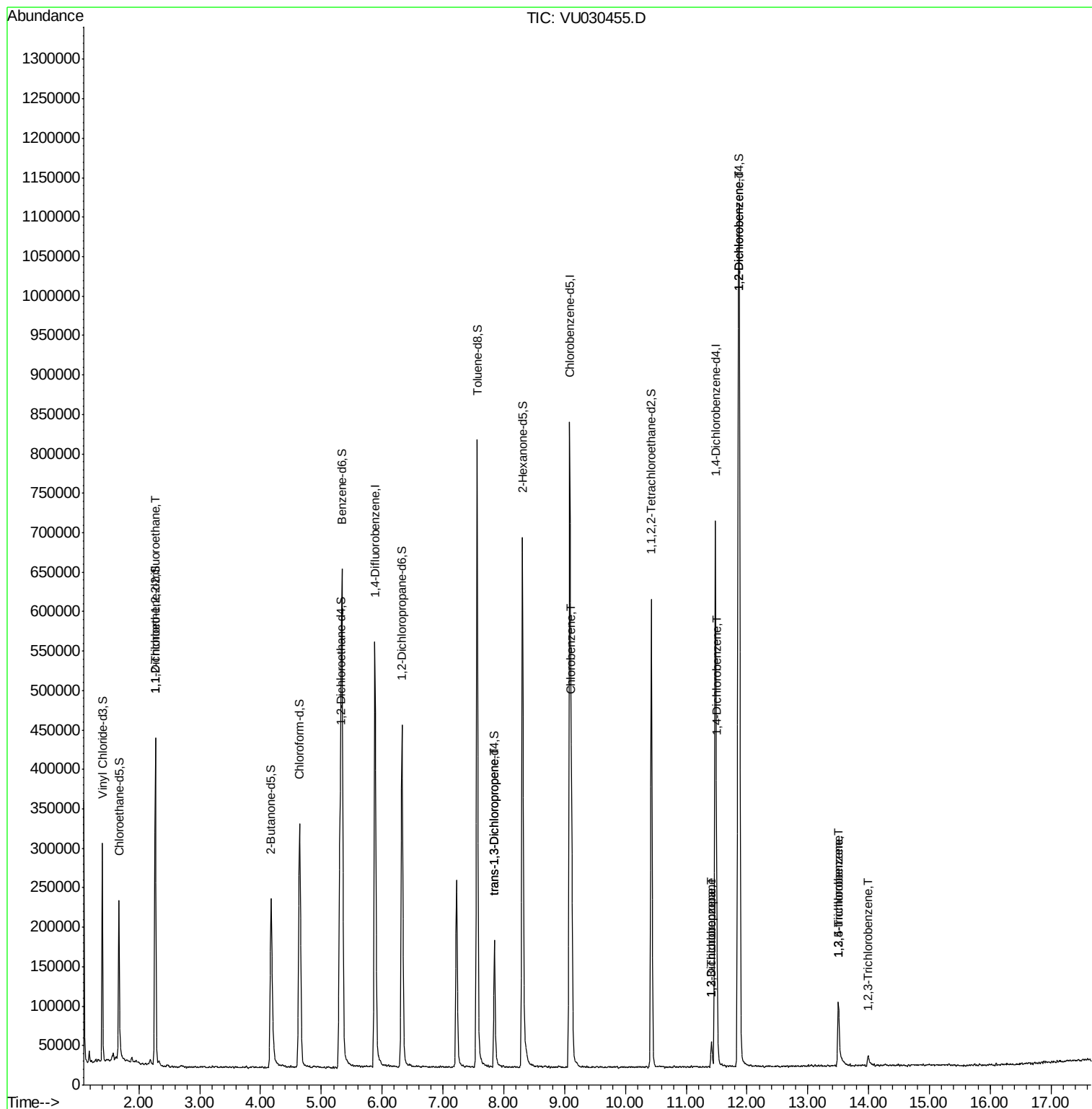
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1837	0.564	ug/L #	21
44) trans-1,3-Dichloropropene	7.85	75	3697	0.718	ug/L #	79
51) Chlorobenzene	9.12	112	193477	21.432	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	4166	0.840	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	12832	2.246	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	54356	9.242	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	351778	60.898	ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	30968	7.241	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	30968	8.334	ug/L	95
70) 1,2,3-Trichlorobenzene	14.00	180	5686	1.449	ug/L #	93

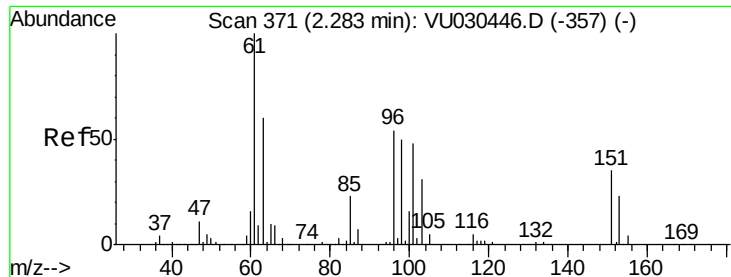
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.564 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

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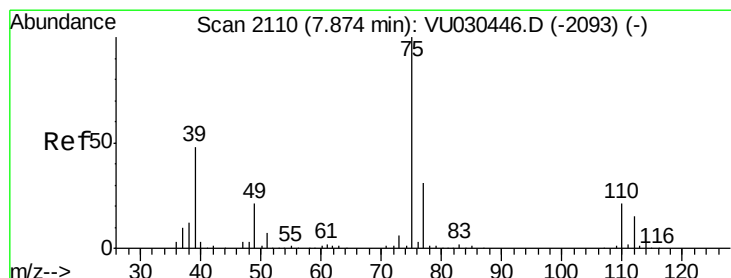
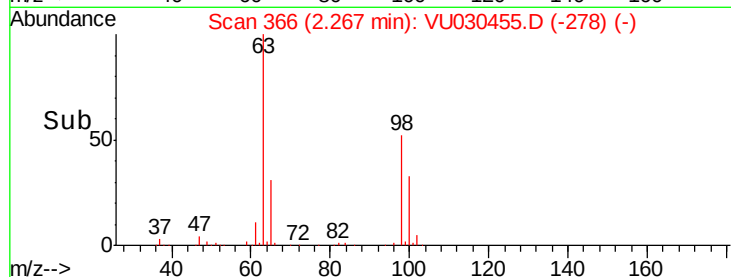
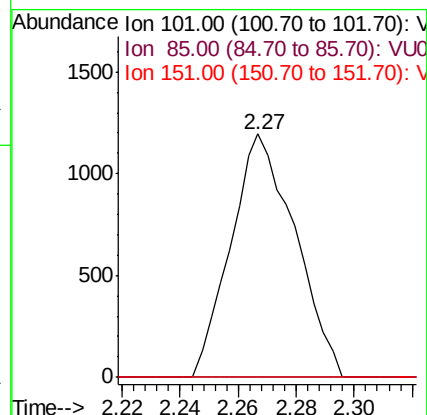
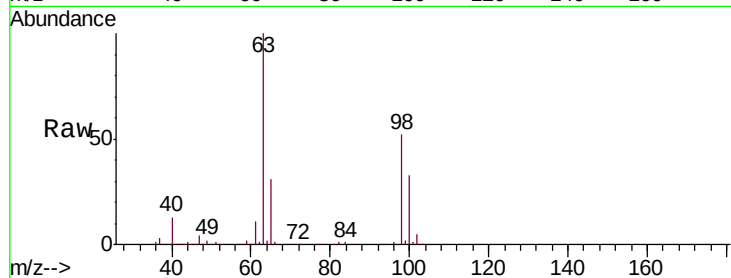
Tgt Ion: 101 Resp: 1837

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#44

trans-1,3-Dichloropropene

Concen: 0.718 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030455.D

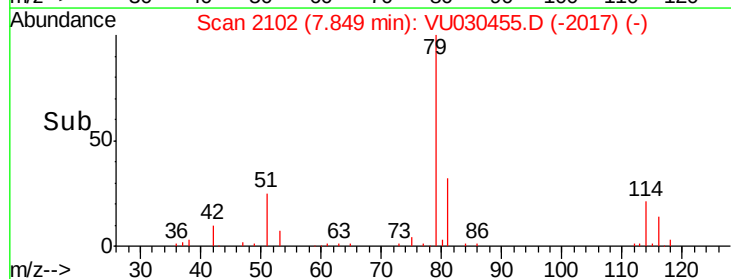
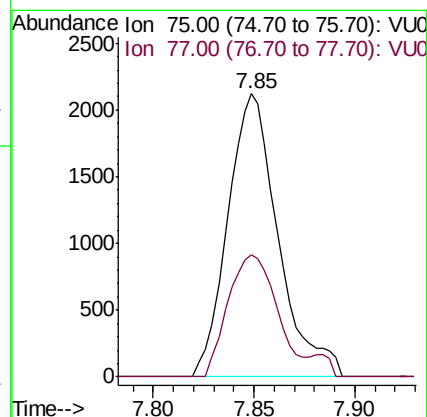
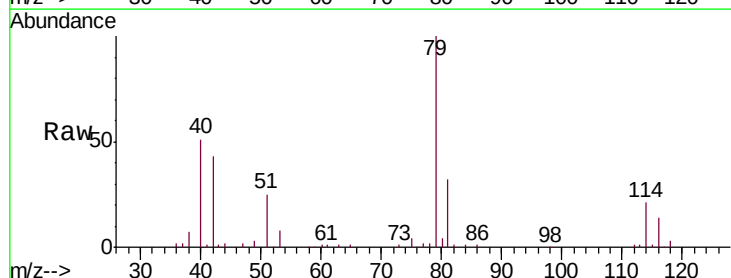
Acq: 26 Mar 2019 19:53

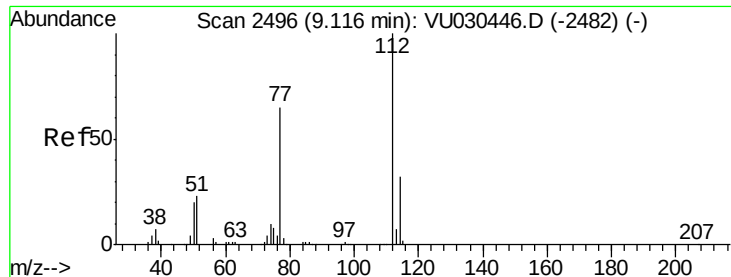
Tgt Ion: 75 Resp: 3697

Ion Ratio Lower Upper

75 100

77 43.3 22.0 40.8#

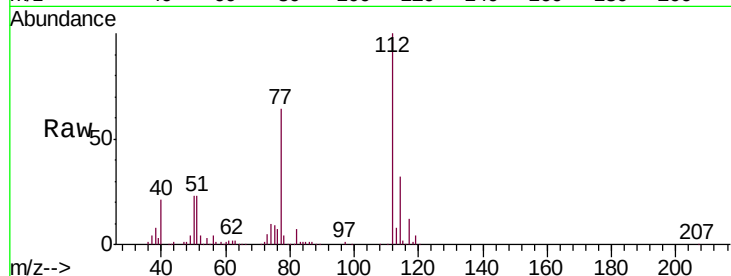




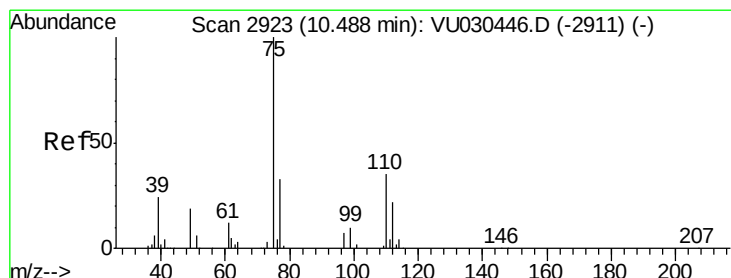
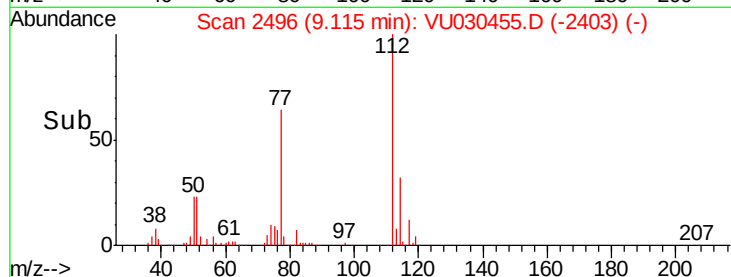
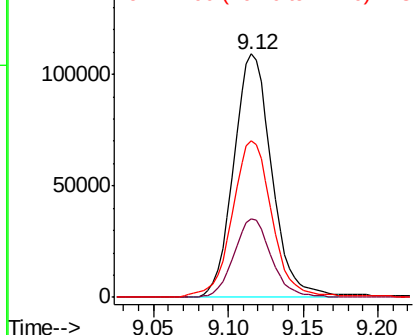
#51
Chlorobenzene
Concen: 21.432 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030455.D
Acq: 26 Mar 2019 19:53

Instrument :
MSVOA_U
ClientSampleId :
C09F2

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.5	39.9
77	64.3	51.4	77.0

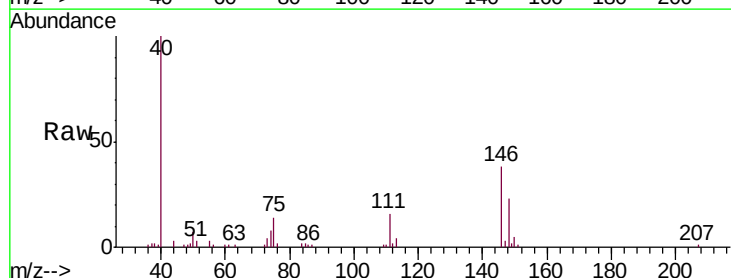


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

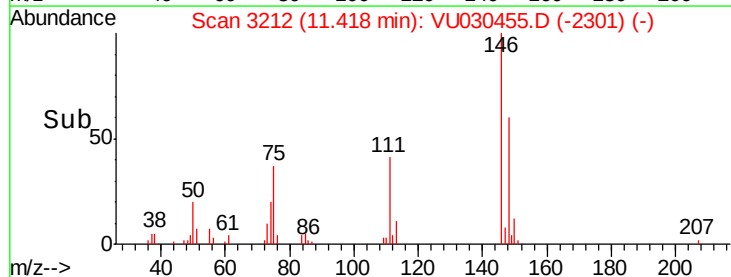
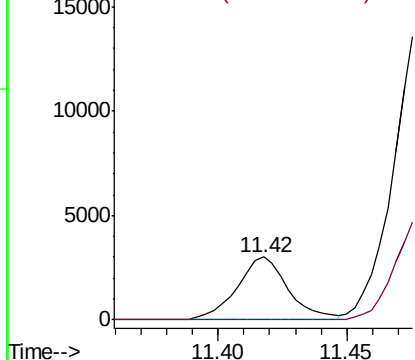


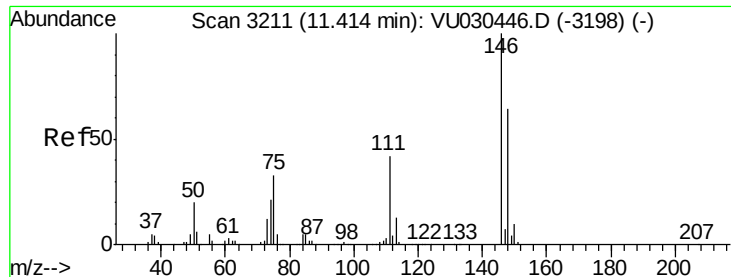
#59
1,2,3-Trichloropropane
Concen: 0.840 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.93 min
Lab File: VU030455.D
Acq: 26 Mar 2019 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

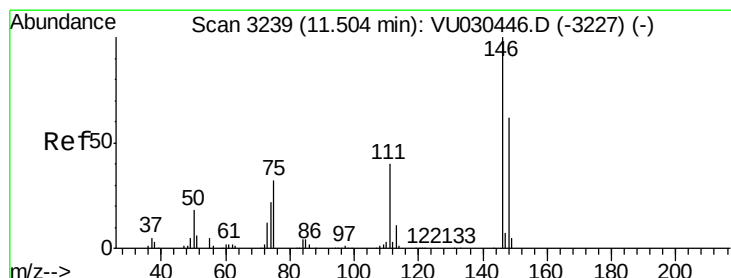
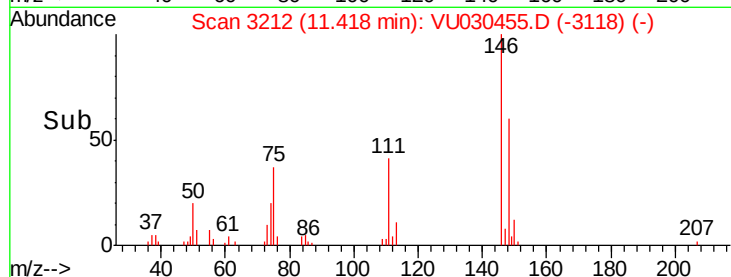
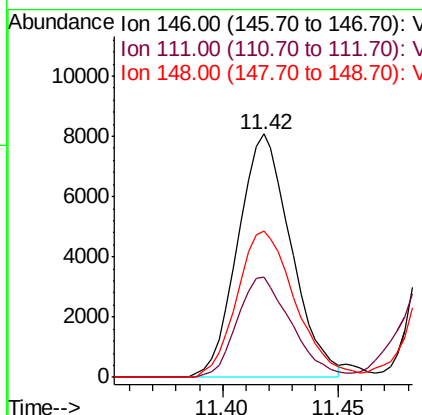
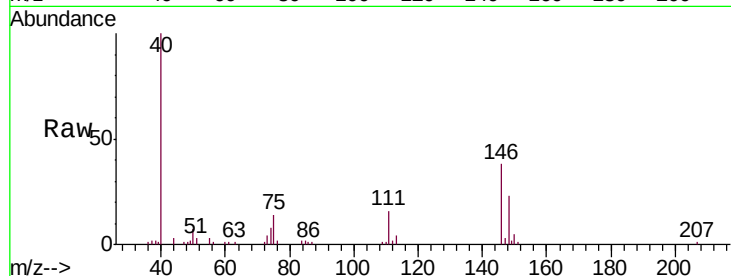




#62
 1,3-Dichlorobenzene
 Concen: 2.246 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

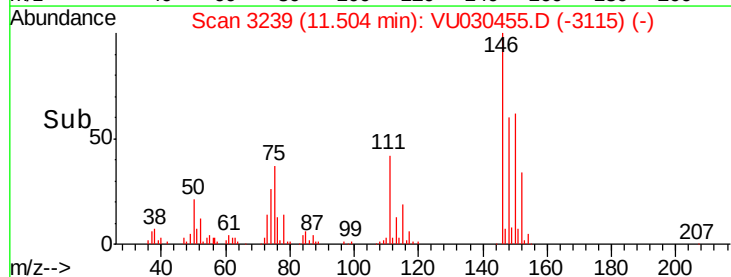
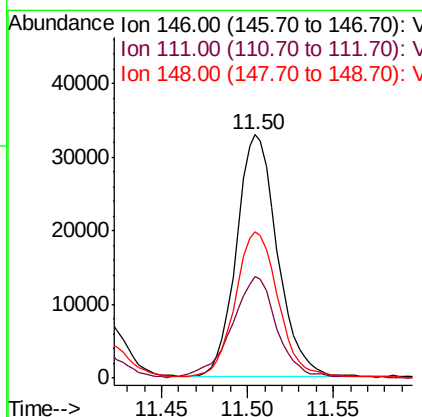
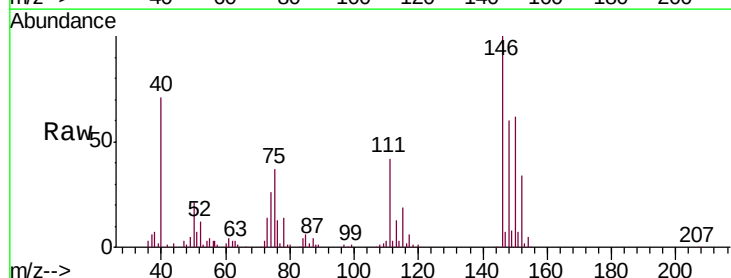
Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

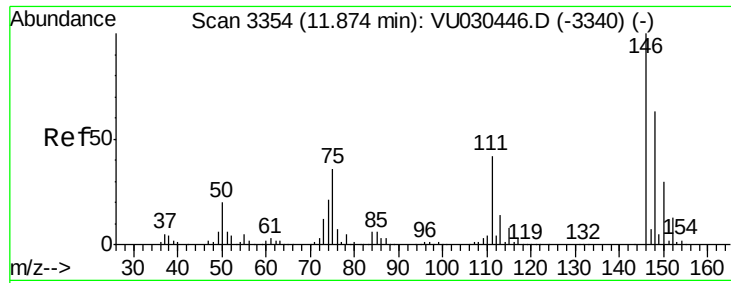
Tgt Ion:146 Resp: 12832
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.2 54.2
 148 60.0 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 9.242 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Tgt Ion:146 Resp: 54356
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.7 53.3
 148 60.1 44.3 82.3

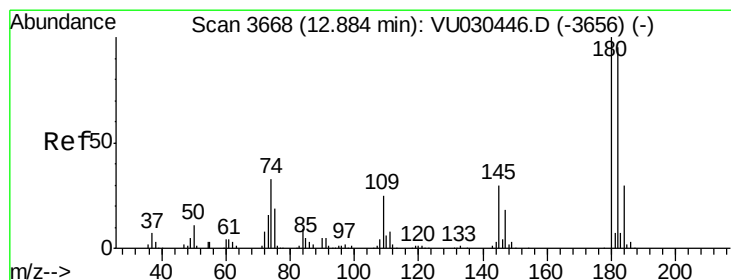
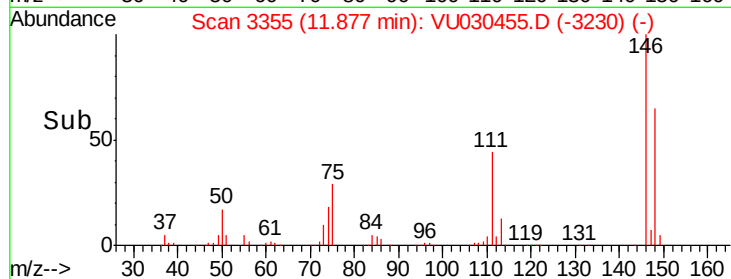
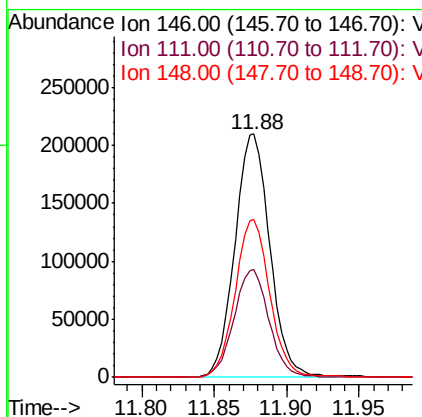
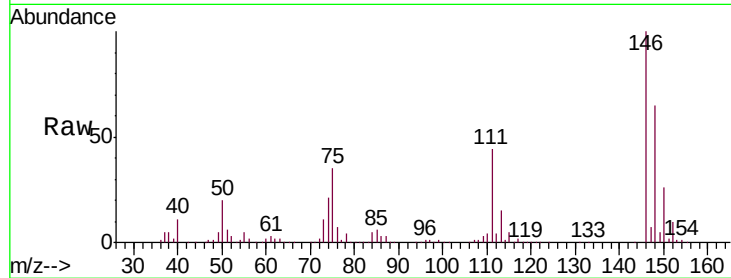




#65
 1,2-Dichlorobenzene
 Concen: 60.898 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

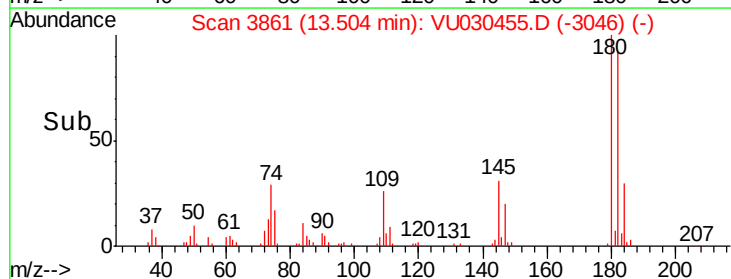
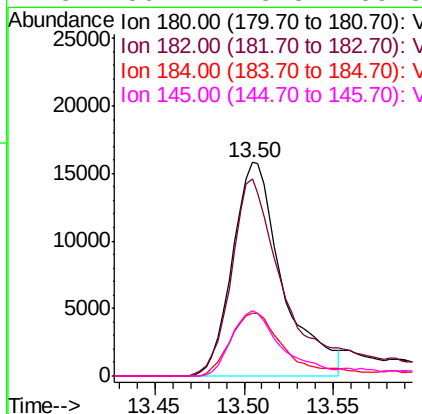
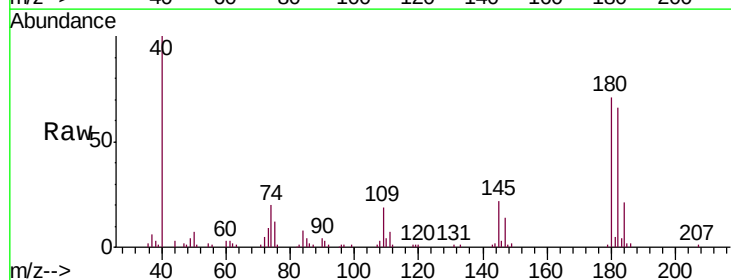
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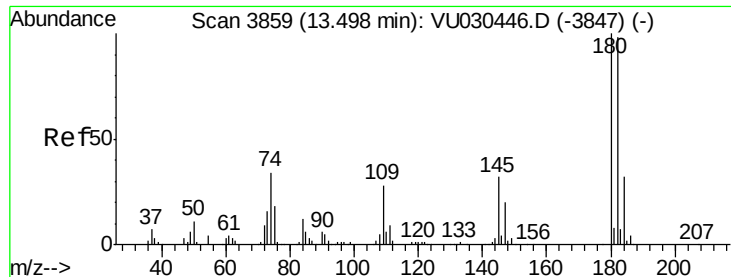
Tgt Ion:146 Resp: 351778
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 64.7 51.2 76.8



#67
 1,3,5-Trichlorobenzene
 Concen: 7.241 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Tgt Ion:180 Resp: 30968
 Ion Ratio Lower Upper
 180 100
 182 101.0 75.9 113.9
 184 32.2 24.1 36.1
 145 30.4 23.8 35.8

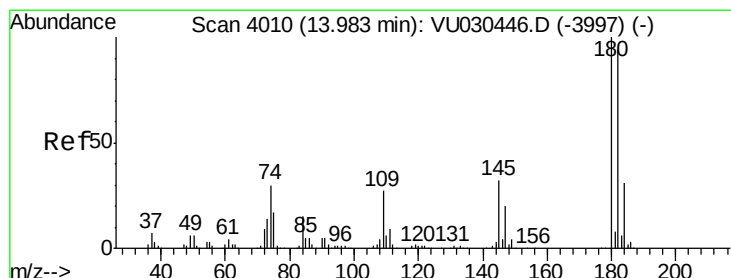
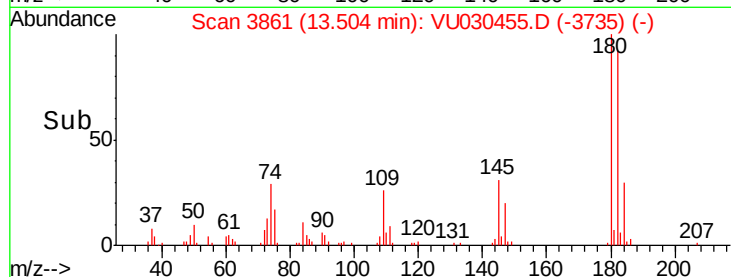
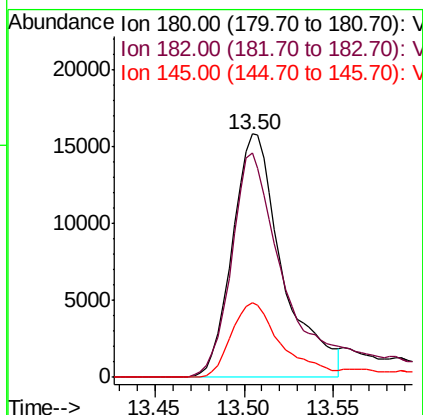
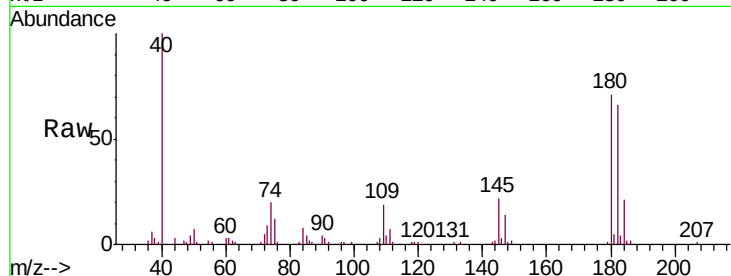




#68
 1,2,4-trichlorobenzene
 Concen: 8.334 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C09F2

Tgt Ion:180 Resp: 30968
 Ion Ratio Lower Upper
 180 100
 182 101.0 76.1 114.1
 145 30.4 24.5 36.7



#70
 1,2,3-Trichlorobenzene
 Concen: 1.449 ug/L
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.02 min
 Lab File: VU030455.D
 Acq: 26 Mar 2019 19:53

Tgt Ion:180 Resp: 5686
 Ion Ratio Lower Upper
 180 100
 182 99.0 77.4 116.2
 145 20.1 25.9 38.9#

